

IN THE CLAIMS:

Claims 1-23 (cancelled)

24. (Currently amended) In a ventilator breath display for displaying a plurality of ventilator related parameters, the ventilator breath display including a graphical representation of a plurality of ventilator related parameters and plurality of parameters of a breath cycle that is to be provided to a patient for the ventilator, the graphical representation including a time scale representing the total duration of the breath cycle, an inspiration image of inspiration duration disposed on the time scale, an expiration image of expiration duration disposed on the time scale, adjacent to, but not overlapping, the inspiration image, the plurality of parameters of the breath cycle being calculated from a plurality of selectively assigned values of the parameters, the improvement comprising:

a user input device for causing the display to display the graphical representation of said plurality of ventilator related parameters and parameters of a breath cycle; and

a displayed value of a ratio of the inspiration duration with respect to the expiration duration, and wherein the inspiration image is an inspiration bar, the expiration image is an expiration bar, the inspiration duration is displayed within the inspiration bar if the length of the inspiration bar is sufficient to allow the inspiration duration to be displayed within the inspiration bar, the expiration duration is displayed within the expiration bar if the length of the expiration bar is sufficient to allow the expiration duration to be displayed within the expiration bar, the inspiration and expiration bars having lengths proportional to values of the inspiration and expiration durations and the

time scale, and the inspiration and expiration durations being calculated from said values of the parameters.

25. (Previously presented) The ventilator breath display of Claim 24, wherein the display provides an image that a user can select to initiate a display of a listing of said plurality of ventilator related parameters.

26. (Previously presented) The ventilator breath display of Claim 24, wherein said display comprises a touch screen display and at least one off-screen device to initiate a display of a listing of said plurality of ventilator related parameters.

27. (Previously presented) The ventilator breath display of claim 24, wherein the display enables the user to selectively change at least one of the values assigned for said plurality of ventilator related parameters and the display automatically updates other ones of the values of the displayed parameters when such a change is made.

28. (Previously presented) The ventilator breath display of Claim 24, wherein the display comprises a menu of ventilator related parameters selected by the user.

29. (Previously presented) The ventilator breath display of Claim 24, wherein the display comprises a graphic depicting a listing of ventilator related parameters.

30. (Previously presented) The ventilator breath display of claim 24, wherein said graphical representation further comprises a displayed value of a total breath duration calculated from said values of the parameters.

31. (Previously presented) The ventilator breath display of claim 24, wherein said graphical representation further comprises an inspiration duration calculated from said values of said parameters displayed in association with the graphic representation of the inspiration duration calculated, and an expiration duration calculated from said values of said parameters displayed in association with the graphic representation of the expiration duration calculated.

32. (Previously presented) The ventilator breath display of claim 24, wherein the inspiration duration is displayed adjacent to the inspiration bar if the length of the inspiration bar is not sufficient to allow the inspiration duration to be displayed within the inspiration bar and the expiration duration is displayed adjacent to the expiration bar if the length of the expiration bar is not sufficient to allow the expiration duration to be displayed within the expiration bar.